

Notice of Allowability

Application No.

09/755,769

Examiner

Le Nguyen

Applicant(s)

SHAHINE ET AL.

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an interview on 11/4/05.
2. ☒ The allowed claim(s) is/are 1-57.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 11/4/05.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Examiner's Amendment and Allowable Subject Matter

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Mark Watson on 11/4/05.

3. The application has been further amended as follows:

Claim 1 has been amended as follows:

1. A ~~system~~ method for automatically displaying ~~data-objects~~ entry associated information fields, on a computer display device comprising:

for each entry, automatically associating a priority with each ~~data-object~~ entry associated information field in a set of ~~data-objects~~ entry associated information fields wherein the priorities of the entry associated fields are user adjustable;

dynamically populating the display device by automatically arranging a position of at least one ~~data-object~~ entry associated information field within a visible display area of the display device beginning with a ~~data-object~~ an entry associated information field having a highest priority;

wherein the automatically arranged position of ~~data-objects~~ entry associated information fields within the visible display area is not predefined; and

continuing to dynamically populate the display device by continuing to

Art Unit: 2174

automatically arrange a position of one or more of the ~~data-objects~~ entry associated information fields having a next highest priority until available space within the visible display area of the display device has been filled with ~~data-objects~~ entry associated information fields.

Claim 2 has been amended as follows:

2. The system of claim 1 wherein the priority associated with each ~~data-object~~ entry associated information field is based on a pre-designated priority list.

Claim 3 has been amended as follows:

3. The system of claim 1 wherein the priority associated with each ~~data-object~~ entry associated information field is changeable.

Claim 4 has been amended as follows:

4. The system of claim 3 wherein the dynamic population of the display device is automatically and dynamically updated when a priority associated, with a ~~data-object~~ an entry associated information field is changed.

Claim 5 has been amended as follows:

5. The system of claim 3 wherein the priority associated with each ~~data-object~~ entry associated information field is configured via a user interface.

Claim 6 has been amended as follows:

6. The system of claim 3 wherein the priority associated with each ~~data-object~~ entry associated information field is automatically determined based upon a frequency of use for each ~~data-object~~ entry associated information field.

Claim 7 has been amended as follows:

7. The system of claim 1 wherein the dynamic population of the display device further comprises not displaying ~~data-objects~~ entry associated information fields that do not contain data.

Claim 8 has been amended as follows:

8. The system of claim 1 wherein data comprising each ~~data-object~~ entry associated information field is changeable.

Claim 9 has been amended as follows:

9. The system of claim 8 wherein the dynamic population of the display device is automatically and dynamically updated when the data comprising ~~a data-object~~ an entry associated information field is changed.

Claim 10 has been amended as follows:

10. The system of claim 8 wherein the ~~data-objects~~ entry associated information fields are editable via a user interface.

Claim 11 has been amended as follows:

11. The system of claim 8 wherein the ~~data-objects~~ entry associated information fields are added via a user interface.

Claim 12 has been amended as follows:

12. The system of claim 8 wherein the ~~data-objects~~ entry associated information fields are deleted via a user interface.

Claim 13 has been amended as follows:

13. The system of claim 1 wherein the ~~data-objects~~ entry associated information fields are stored in at least one electronic database.

Claim 18 has been amended as follows:

18. The system of claim 1 wherein the dynamic population of the display device further comprises automatically arranging the position of displayed ~~data-objects~~ entry associated information fields in a single column.

Claim 19 has been amended as follows:

19. The system of claim 1 wherein the dynamic population of the display device further comprises automatically arranging the position of displayed ~~data-objects~~ entry associated information fields in at least one column.

Claim 20 has been amended as follows:

20. The system of claim 19 wherein a number of columns for displaying ~~data objects~~ entry associated information fields is determined by automatically computing the number of columns that will fit within the available space on the computer display device.

Claim 22 has been amended as follows:

22. The system of claim 20 wherein the width of each column is automatically determined by computing the minimum width required for displaying prioritized ~~data objects~~ entry associated information fields in each column.

Claim 23 has been amended as follows:

23. The system of claim 1 wherein each displayed ~~data-object~~ entry associated information field have an associated action button selectable via a user interface for performing specific actions relative to each displayed ~~data-object~~ entry associated information field.

Claim 24 has been amended as follows:

24. The system of claim 1 wherein a picture representing the displayed data ~~objects~~ entry associated information fields is displayed on the computer display device.

Claim 26 has been amended as follows:

26. The system of claim 24 wherein the picture has an associated priority, and wherein the picture is displayed only when available space exists on the computer display device after displaying all higher priority ~~data-objects~~ entry associated information fields.

Claim 27 has been amended as follows:

27. A computer-implemented process for automatically displaying contact information for contacts in an electronic address book, comprising:

for each entry, selecting a contact in the electronic address book via a user interface, said contact including at least one element of contact information, and wherein each contact element includes an associated priority;

providing a display area within a computer display device for displaying one or more elements of the contact information, and wherein a layout of displayed elements

of the contact information within the display area is not predefined and priorities of the elements of the contact information are user adjustable;

automatically determining and arranging a position of at least one of the elements of the contact information within the display area for dynamically generating a priority-based layout of contact elements within the display area, using individual elements of the contact information in order of higher priority to lower priority, with lower priority elements of the contact information being displayed only when available space exists within the display area.

Claim 45 has been amended as follows:

45. A computer-readable medium having computer executable instructions for dynamically displaying a subset of at least one ~~data element~~ entry associated information field from a set of ~~data elements~~ entry associated information fields on a computer display device, said computer executable instructions comprising:

for each entry, automatically assigning a priority to each data element entry associated information field wherein the priorities of the entry associated fields are user adjustable;

sorting the ~~data elements~~ entry associated information fields in order of highest priority to lowest priority;

providing a display area within a computer display device for displaying one of the ~~data elements~~ entry associated information fields, and wherein a layout of displayed elements of the contact information within the display area is not predefined; and

automatically generating a layout for arranging and displaying as many of the

~~data elements~~ entry associated information fields as will fit within the display area in order of highest priority to lowest priority, and wherein the displayed ~~data elements~~ entry associated information fields comprise the displayed subset of at least one data element entry associated information field until available space within the visible display area of the display device has been filled with entry associated information fields.

Claim 46 has been amended as follows:

46. The computer-readable medium of claim 45 wherein assigning a priority to each ~~data element~~ entry associated information field comprises using a predefined priority list to prioritize each ~~data element~~ entry associated information field.

Claim 47 has been amended as follows:

47. The computer-readable medium of claim 45 wherein assigning a priority to each ~~data element~~ entry associated information field comprises prioritizing each data element entry associated information field via a user interface.

Claim 48 has been amended as follows:

48. The computer-readable medium of claim 46 wherein the predefined priority list is editable via a user interface, and wherein the display of ~~data element~~ entry associated information field is dynamically updated when the predefined priority list is edited.

Claim 49 has been amended as follows:

49. The computer-readable medium of claim 45 wherein the ~~data elements~~ entry associated information fields are editable, and wherein the automatically generated

layout of ~~data elements~~ entry associated information fields is dynamically updated when any of the ~~data elements~~ entry associated information fields are edited.

Claim 50 has been amended as follows:

50. The computer-readable medium of claim 45 wherein ~~data elements~~ entry associated information fields are added to the set of ~~data elements~~ entry associated information fields, and wherein the automatically generated layout of ~~data elements~~ entry associated information fields is dynamically updated when ~~data elements~~ entry associated information fields are added to the set of ~~data elements~~ entry associated information fields.

Claim 51 has been amended as follows:

51. The computer-readable medium of claim 45 wherein ~~data elements~~ entry associated information fields are deleted from the set of ~~data elements~~ entry associated information fields, and wherein the automatically generated layout of ~~data elements~~ entry associated information fields is dynamically updated when ~~data elements~~ entry associated information fields are deleted from the set of ~~data elements~~ entry associated information fields.

Claim 52 has been amended as follows:

52. The computer-readable medium of claim 45 wherein the display area on the computer display device is adjustable, and wherein the automatically generated layout of ~~data elements~~ entry associated information fields is dynamically updated when the display area on the computer display device is adjusted.

Claim 53 has been amended as follows:

53. The computer-readable medium of claim 52 wherein ~~data-elements~~ entry associated information fields are displayed in at least one column within the display area of the computer display device, and wherein the number of columns is automatically determined based on a width of the display area.

Claim 54 has been amended as follows:

54. The computer-readable medium of claim 53 wherein each column has a variable width that is automatically determined based upon a minimum width necessary to display the ~~data-elements~~ entry associated information fields in at each column.

Claim 56 has been amended as follows:

56. The computer-readable medium of claim 45 wherein the displayed subset of ~~data-elements~~ entry associated information fields is automatically color-coded based on a pre-designated category for describing the set of ~~data-elements~~ entry associated information fields.

Claim 57 has been amended as follows:

57. The computer-readable medium of claim 45 wherein the displayed subset of ~~data-elements~~ entry associated information fields is automatically shaded based on a pre-designated category for describing the set of ~~data-elements~~ entry associated information fields.

4. The following is a statement of reasons for the indication of allowable subject matter:

The prior art made of record fails to anticipate or make obvious the claimed invention. Specifically, the prior art fails to teach, in combination with the remaining elements:

a display comprising for each entry, automatically associating a priority with each entry associated information field in a set of entry associated information fields;
dynamically populating the display device by automatically arranging a position of at least one entry associated information field within a visible display area of the display device beginning with a entry associated information field having a highest priority and dynamically populate the display device by continuing to automatically arrange a position of one or more of the entry associated information fields having a next highest priority until available space within the visible display area of the display device has been filled with entry associated information fields wherein the priorities of the entry associated fields are user adjustable as recited in claims 1, 27 and 45.

Although Smith et al., Screen Dumps of Microsoft Windows Version 4.0, Baldwin et al., Shirakawa, Fernandes and Cushman teach a substantial amount of the claimed matters, Smith et al., Screen Dumps of Microsoft Windows Version 4.0, Baldwin et al., Shirakawa, Fernandes and Cushman fail to anticipate or render the above underline limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2174

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquires

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Lê Nguyen whose telephone number is **(571) 272-4068**. The examiner can normally be reached on Monday - Friday from 7:00 am to 3:30 pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid, can be reached on (571) 272-4063.

The fax numbers for the organization where this application or proceeding is assigned are as follows:

(703) 872-9306 [Official Communication]

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

LVN
Patent Examiner
November 4, 2005

